

TIMING BASED SERVO WITH FIXED DISTANCES BETWEEN TRANSITIONS

ABSTRACT

1007390-0430
2007390-0430
A servo writer generates a linear servo track timing based
servo pattern comprised of transitions that extend laterally of
5 the track. At least three spaced apart write elements, two of
parallel azimuthal orientation, and at least one of a different
azimuthal orientation, write patterns corresponding to the write
elements, fixing both the distance between transitions having
different azimuthal orientation, the "A" distance, and the
10 distance between transitions having parallel azimuthal
orientation, the "B" distance. The fixed distances provide
precise sensing of lateral position based on a measure of time
over the "A" distance compared to time over the "B" distance.